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Number 10.

Maine Farmer.

The Feeding Value of Straw.

farmers. It is not generally cured and cared for as its importance demands, and is often sold at a very low price for bedding. We are apt to lose sight of the fact that hay and straw are nearly the same crop, only cut at different stages of growth. The cereals and the true grasses all belong to the same great natural order, the difference in product being that the former are allowed to stand and ripen until much of the same great natural order, the difference in product being that the former are allowed to stand and ripen until much of the same great natural order, the difference in product being that the former are allowed to stand and ripen until much of the same great natural order, the difference in product being that the former are allowed to stand and ripen until much of allowed to stand and ripen until much of fowls. It follows therefore that in whatthe nutritive value goes to form the seed. ever line we are breeding, if we would while the latter is cut green for the sake of keep the blood pure, we must breed only the stems and leaves. Grass that is allowed to stand and ripen is a no better feeding stuff than ordinary straw, and if the grain is cut quite green, it may not be as good. In straw, there is not much nitroparter because this has gone to describe the standard properties and the standard properties are the strategies. We were breeding thoroughbred Plymouth Rocks and Light Brahmas. After the strategies are the strategies and the standard properties are the strategies and the standard properties and the strategies are the strategies are the strategies and the strategies are the strategies and the strategies are the strategies are the strategies and the strategies are the strategies are the strategies are the strategies and the strategies are the s

so wintered generally came out thin in the spring, and although in a good pasture from the darkest to the lightest, two when they made some growth and fattened well they feathered out being black as ravens. during the summer and fall they never The instances of this kind in fowl breedgrew to be anything but scrubs. Most far-mers have learned that cattle raising is much more profitable when the animals are Light Brahma hens with which a Houdan kept "booming" all the year round, than cock had been previously running. The when they are starved and stunted during six months of the year. The following is hatched a second litter, and the latter had the average percentage of protein (muscle | well defined Houdan marks. Scores of forming matter) in the various kinds of similar instances might be given. The castraw: Wheat straw, 3.1; rye, 3.0; barley.
3.4; oat, 2.3; stover (dry corn fodder,) 7.5; the same has been observed in breeding dopea straw, 7.3; bean, 9.9; buckwheat, 3.9. is has been the practice with some to sup- mare was covered by a species of zebra, plement the feeding of straw with turnips and for three successive years afterward, and other roots, but analysis of roots shows though covered each time by a black Arathat the combination is not a good one. bian horse, her progeny bore unmistakable The following is the average per cent of marks of the quagge or zebra. protein contained in the several varieties of roots most commonly fed to stock: Potatoes, 2.0; mangolds, 1.1; sugar beets, 1.0; ruta bagas, 1.1; carrots, 1.3; English turnips, 1.0; parsnips, 1.6. It will thus be precisely the same breed as the ewes was seen that roots at best contain but a very allowed to run with them and no other, small amount of flesh producing matter, but the young lambs bore a strong resem and when added to straw as a ration in blance in color to the former buck. The whatever proportion, the amount of pro- same results have been known to follow

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P. CLARK

Professor Jordan laid down the law from parent upon the fe mips and the latter are produced by most farmers in immense quantities. The herd of Heredfords purchased for Mr. Bodwell, previous to their leaving England late in winter, we were told by Mr. Burleigh and by a young Englishman, son of a large breeder, who came over with them, had been fed for several months mainly on straw and turnips, and the animals were certainly in fine condition when they were landed. This is one of those cases where science and practice do not as yet quite harmonize and while inclining to the scientific solution of the question, we do not adopt the extreme views of Professor Jordan, that straw and roots are not as good a ration as straw alone. Chemically considered, it may be so but in practice we feel quite sure it is not.

But there is a feeding substance already used to considerable extent, but not half as much as it cought to be wished experience.

A Principle in Breeding.

We believe it is now a generally admitted fact, that the influence of the male par-We think that as a rule, straw is under-valued as a feeding stuff by most of our farmers. It is not generally cured and lidea was disbelieved in, and laughed at, but

genous matter, because this has gone to develope the seed, but straw is rich in carblydrates and in combination with foods that are rich in protein, it is of great value until the snow came, when the two breeds were separated and remained so until last spring. We then set the Light Brahmas teryoung stock entirely onstraw, but stock

the case of cattle and swine.

growth of the animal.

The cause of this is not so easily ex The above is the chemistry of the subject, but we are told by some that this does not we are aware of the fact. Dr. Carpenter. agree with practice. At the recent farm-ers' meeting in Jefferson, the proceedings were reported for this paper, mental impression left by the first male a chemical standpoint, but there were several farmers present who stated that they had obtained very satisfactory results from feeding roots and straw combined. In England, we are told that the prevailing winter feed for store cattle is straw and turnips and the latter are produced by most farmers in immense quantities. The herd of

MAINE STATE AGRICULTURAL SOCIETY. We present to our readers a detailed statement, prepared by Mr. Louis Gatcomb, of Portland, for the Treasurer of the Society, Col. H. S. Osgood, showing the number of ent in the process of pro-creation, is not always confined to his immediate off-spring entries, entry fees collected, premiums paid in each case at Park and Hall, amount paid on bills of previous years. entries, entry fees collected, premiums paid in each class at Park and at Hall; amounts paid for labor, forage, other materials, advertising, postage, salaries, miscellaneous ex-

but may extend to other off-springs of the To the President and Trustees of the Maine State Assicultural Society:

Gentlemen:—In accordance with a request made by you at a meeting holden in Portland on the 18th day of November, 1880, I herewith present a report of the business of said Society, connected with this Department, for the year 1880, and such other statistical information as asked for by you at said meeting.

Statement A. t showing number of entries, together with amount of Entry Fees received and lums Paid at the Maine State Fair, 1880.					
PARE.		12 5 = 0.00 = 3.000 (475.00)	-		
CLASS.	No. of	Amount of Amount of Entry fees Premiums Received. Paid.			

	PARK.				
No.	CLASS.	No. of Entries.	Amount of Entry fees Received.	Amount of Premiums Paid.	For Materials (Lumber Postage, Telegrap
	CATTLE.		7	-	Stationery and P
1	Shorthorn Stock	17	823 50	882 00	Advertising
2	Devon "	none	none	none	Hay, Grain and
3	Ayrshire "	14	18 70		Labor
4	Hereford "	44	16 10		Salaries
5	Jersey 4	41	46 50	125 00	MISCELI
51/6			16 10	87 00	Rent of Park
6	Holstein 4	8	13 20		Transportation
7	Grade (or Native) Stock	36	28 50		Use of Large Ter
8	Working Oxen	21	29 40		" Furniture
814	Trained Steers	4	4 80		Loss and Dams
9	Fat Cattle		6 80		Music
10	Matched Oxen	8	12 80		Medals and Dip
11	Pulling Oxen and Town Teams	15	45 80		engraving, etc., Premium Ribbon
S	Bulls of any age or breed	13	15 00	15 00	Drivers' Caps
	THE THE PARTY OF T	200	*****		National Trotting
200	Approximately and the property of the state	241 .	\$277 20	\$950 00	Bill of Maine Sta
				-	ty for exhibitio
	HORSES.	Lity Days	bearing the same	Dilliam Land	Miscellaneous E:
12	Stallions for general use	10	848 00	\$48 00	Miscellaneous E.
13	" four yrs. old and under 5	4	12 00		Dell to the street
14	" three " " 4	6	15 00		Premiums Paid
15	Best Draft Stallions	none	none	none	T TOMACHIO I HIGH
16	Mares with foal	9	27 00	30 00	Total for 1880
17	Geldings and Mares, 4 yrs. old and over	- 21	63 00		2000 101 1000
18	Geldings and Fillies, 3 " " under 4	8	12 00	20 00	hadd arranga are a ch
19	Stallions, Geldings & Fillies, 2 yrs. old and under 3	8	12 80		RECAPIT
20	Draft Horses 2	8	12.00	15 00	
21	Drait Horses	6	11 40	46 00	D
22	Gents' Driving Horses	18	86 40	48 00	Park and Hall Expen
221/2			21 00		General Expense div
23	Walking Horses	. 5	7.50		tion as ascertai
24	Trained Colts	2	2 40	6 00	Expense, viz: { Park Hall,
2436	Gen'l Tilton's Special	6 .	none	50 00	Hall,
	and insultering Smillings opposit of a sign of one pa		#330 50	8429 00	Premiums Paid
T. B.	Trotting Horses	78	81,525 00	\$2.385 00	Tald.
	Long Wooled Sheep	-			Total for 1880.
25	Long Wooled Sheep	10	MAK ON	A440 00	
26	Oxford Downs	18	825 20		2
27	South Downs	0	4 20		STATE OF THE PARTY OF THE PARTY.
28	Merinos	9	12 60 12 60		-
29	Breeding Merino Ewes.	1	12 00		

8	Boars of any age or breed, Sweepstakes		none	none 2 40	none 8 00
Tel eng	Chilla Thy had designed as a state of the control of		32	\$17.40	852 00
39	Agricultural Implements		170	none	†42 00
P. M.	Plowing Match		12	none	815 00
1100	RECAPITULATI		1 Diploma.	77 Diplos and	1 Bnz. Med.
	be tax and more than the factor	No. of Ent.	Fees	Prem's Paid.	Medals & Diplomas Awarded.
	s (for exhibition)	241 118 78 48	\$227 20 330 50 1,525 00 57 90	\$950 00 429 00 2,385 00 343 00	1 Diploma
Swine Agrica		32 170 12	17 40	52 00 42 00 15 00	{7Diplo's 1Bz.Md.
	to antiet temporal da mon mare la montante	699	82.208.00	\$4.916.00	S DI 1 MA

No Prem's Silver Baze S

icks of any age or breed, Sweepstakes.....

a winter, we were told by Mr. Burleigh and by a young Englishman, son of a large breeder, who came over with them, had been fed for several months mainly on	on the mass of the decidua, and through	No. CLASS.	the second of the second	Paid. Meds. Med	. =	****				the family—the most prosperity, the most satisfaction with farm life.	ed by overfeeding. Forced breeding anim
reeder, who came over with them, had	lable on the contempt alicente and that	CANADA CANADA SANCE CONTRACTOR OF THE SANCE		Control of the contro	8	RECAPITULATION.				BREISTRUMON WICH LATTE HIC.	
en ted for several months mainly on	this, on the maternal placenta, and that	35 Corn, Wheat, Oats, Grass-Seed (Raised in M	Vo. 1901	694.00	-		400 40	Bernett T.		There have been failures in the State, but it has been due to errors of management and	soon deteriorate in progeny and bec
	this in turn impresses its characters on the	36 Collections of Vegetables	*******	. 624 00 37 00	Car	ue from Rail Roadsash received for the year	429 40 15,940 22	1		not the fault of the business. From this	secrife. There is a little to which any of
w and turnips, and the animals were	decidua and embryo or the next succeed-	37 Butter, Cheese and Dairy Implements	*******	131 00	1	Company of the contract of the		16,369 62		experience we have learned such lessons	may be pushed. It wants a great dea
ainly in fine condition when they were		40 Household Articles of Maine Manufacture.	*******	5 00	1 Bal	dance from acc. 1879		48 12		that we need now make no mistakes. A	after No stock should be forced boy
ed. This is one of those cases where	The reasons here given and several oth-	41 Brass, Tin, Copper and Iron Work and Stor	ower	3 00 1 1 19 00 1		otal Amt. of Bills, Prems., Note settled	15,627 94		,417 74	building need not and should not be an ex- pensive structure. The whole outfit of	their constitutional vigor to bear.
nce and practice do not as yet quite	ers which we might quote, are not easily	42 Maine Corporation Manufactures	*****	5 00 1		ess sundry credits on Bills			N N	building, apparatus and fixtures, all ready	
monize and while inclining to the scien-	understood by the general reader, but if,	43 Needle and Fancy Work		105 50	4	All Application wild not head of feeing a to the	81	15.597 94		to receive milk need not exceed a cost of	Never lits his stock up for exhibition; ta
e solution of the question, we do not	as stated before, he knows the fact he is	44 Articles of Leather. Saddlery, etc., (Me. m 45 India Rubber Goods		none 1	2	Balance to new acc		819 80 816	417 74	eight or nine hundred dollars. Many questions were asked and answer-	them from the pasture to the show grou
opt the extreme views of Professor Jor-	prepared to guard against such results.	46 Carriages and Sleighs		10 00	2	CONTRACTOR STATE OF SPICE SERVICE				ed and much valuable information gained	There is a meal-box breed that always I
n, that straw and roots are not as good a	The rule deducible from all this is that if a	47 Hardware, Cutlery, Tools and Machinery		none	4	White at and the late of the first the first				in regard to conducting the business and in	real merit. Does not allow grass to
tion as straw alone. Chemically consid-	farmer attempts to breed grades from a	48 Bread and Table Luxuries	*******	17 00	2					handling the milk and making the cheese.	
red, it may be so but in practice we feel	pure bred female, he is liable to continue	50 Printing and Binding	*******	none 1 1	1	COMPARATIVE STATEMENT.	ON PARK O	W WALLOW	Clawie .	In all respects it was a most profitable ses-	fodder raising next year quite largely
uite sure it is not.	to have grades from the same animal,	I TO THE PARTY AND THE PARTY AND THE ATTEMPT	ts)	37 00	i		ACCOUNT. A			EVENING.	feeding his stock. Is not yet converte
But there is a feeding substance already	though he subsequently changes to a pure bred male of the same breed. If one wish-	1 52 Household Furniture and Carpenters' Work		3 50	1					the second secon	narrowly and will adopt when its utilil
sed to considerable extent, but not half as		53 Millinery, Hats, Caps, Furs and Regalias 54 Musical and Surgical Instruments, etc	*******	none 5 00 4	Ex	spenditures for 1880 only as per State-	AT 009 0E 6	51 500 55 60	,205 13 810,937 93	At the opening in the evening a choir of singers favored the occasion with a choice	fully determined and practical value es
uch as it ought to be, which combined	les en procer Riunes une sers abare cereum	55 Mineral and Botanical Displays	*******	5 00	march 3cc	ment	@1,203 25 Q	91,029 00 02	,200 13 010,037 00	selection of music, after which a lecture	
th straw, will make not only a cheap	animals for that purpose, he must bear in mind that he can never feel sure of produc-	56 Miscellaneous and New Inventions	*******	none 4	26 Inc	come for 1880	\$11,118 39	3,055 23 82	,196 00 \$16,369 62	was announced on Agriculture in the Com-	that stock does better as grass begin
a very valuable ration for growth or	I to a thousand hands from the same salmale	Spec. "Baby Show"	******	50 00	Asses of					mon Schools, and the speaker of the even- ing, Geo. E. Brackett of Belfast, intro-	mature and after maturity. Cuts mis
W: we refer to cotton-seed meal. We	stan they been preduced ender it indeed	No Entry Fees collected at the Hall.	1.	\$475 50 13 2	76 KX	teess of Receipts over Expenditures for	3,915 14			duced.	when wen instance. I must it is better
aware that many are prejudiced against	is to possible		FINEAR	7.5-1-1-1 14 14 15 15 15 15 15 15 15 15 15 15 15 15 15	11-11-4	1880 { Hall	1,525 68			The speaker opened by reviewing our	
but it is all prejudice and nothing else.	it is possible.	Manager of the product of the control of the contro	00	Entry	led led	Table 1979 - Branco and Landau and Landau		0.0001079-01	OF THE REAL PROPERTY.	common schools, their condition, the course	periments conducted at and by the N
otton-seed meal is simply a highly con-	Motes.	PINAL DECADEBIT ATION	tr.	Fees Premiums Paid.	0	Defelored to HG1	\$5,440 82		1	of study pursued, and claimed that in that course of study should be found those	Guite Ag. Correge. Amere is a great dir
ntrated food and therefore must not be		FINAL RECAPITULATION.	Z Z	Collected. Paid.	E d Lei	as Deficiency in "General acc."	. 9 13	7 7 7		studies which are related to the business	ripened. Good judgment determines
	Thirty-Second Volume, and it has a very	CONTRACTOR OF THE REAL PROPERTY OF THE PERSON OF THE PERSO	LI Guest L	4110.000 03 - 1/0 70		Net Gain in 1880	85,431 69		1100000	which is commanding the attention of the	time to cut. Prefers well matured h
	prosperous look. It has done as much or	Number of Entries, Park	699	ויינולות ביות ביות	100	and Contract of the Contract of Last Addition between A	THE RESERVE OF	La		people. Agriculture is the most important	uses little else than hay for his anin
(protein,) in decorticated (hulled) cot-	more than any other journal to elevate the	Entry Fees collected, Park only		00 000 00	Bal	slance from acc. of 1879		* 470 07	7.6	industry among us and is the basis of a peo- ple's prosperity. Yet in shaping the course	ever. Deus with straw.
seed meal are equal to five times that	literature of sport in America. It has ever	Premiums Paid, Park	10 100 100	\$2,208 00 ¹	Cre	edits on sundry bills	8	30 00	R. C. A. L.	of instruction this fact seems to be entirely	Mr. U. chinks succe husbandry cana
clover hay, nearly eight times that of	championed morality and right and has al-	" Hall	Selvery miles	475 50	- Ore	Julian Julian Julian Committee Commi	of heart	85	.509 81	lost sight of as we find none of the sciences	farms hadly run out by sheen keenig
mothy (herdsgrass.) four times that of	ways set its face against debasing sports.	Silver Medals awarded, Hall only	240 650 260	C TOWNERS AND THE	3				1000	specially relating to agriculture entering in- to our course of instruction.	They are much more exhaustive to I
m meal, and three and three-fourths that	It is conducted by gentlemen who are	Bronze Medals awarded, Park		100000000000000000000000000000000000000	1 Am	nounts paid on bills, etc., of former yrs. Balance carried to new acc.		4,690 01	500 91	This is due, not to the lack of qualifica-	than borned cattle. Is not an advocate
		Diplomas awarded, Park		money party regard a	2 0 ==	Dalance carried to new acc.		819 80 85	18 600	tions among our teachers, but first of all to	
	alties, and consequently its circulation is		Pung 10	ma tu appealing a	76	The same of the sa	İ	I. S. OSGO	OD, Treasurer.	the people. We do not demand and are not	easy to pull the wool over his eyes.
ely small or the animal is over-fed and	l large and its influence great. It is emi-	Stranger design the control of the c		A DIES OF CREUE OF		and the second s		a. b. 0000	OD, Treasurer.	yet even preparing the way for it. Our College of Agriculture and the Mechanic	Keeps light Brahma hens; prefers ti
s of appetite is the result. The average	nently practical, its views on Breeding, the	Capabilities to be trade, and an mile tracest at each a fortier	1315 6	82,208 00 84,691 50	3 3 3 8 4 7	Treasurer's Office, Portland, Jan. 26, 1881	1.			Arts is doing something in this direction.	to smaller breeds. Thinks they do not come more per hen than smaller breeds.
ount of protein or albuminoids in hay	Turf; the Kennel, Shooting, Athletics, the	The state of the s	DELO BAY	SU/Alike San						since most of its students are engaged in	owing to their more quiet habits. They
m the more common grasses, is as fol-	Stage, &c., being formed from actual con-	THE RESERVED OF MITTORS.	e spring	varieties recommend	ed are ger	r. If, in spite of these efforts for relief,			f this town raised	teaching our common schools in winter and	a cuporior over both in quality and elve
w: Clover, 6.7: Timothy, 4.4: fodder	tact with the leading exponents of these	At a recent meeting of millers in Cincin-	dinnesoes L	rite, as the best of al			this year 88		barley from 134	the training at the college is in a measure	and the second s
			nous, vield	ing largely in "mid	linge" abs		nomes of ene	mand . O beach	al namina mi		a une high for cook and targes lots at the
		nati, the comparative value of the different for "	nurification	mir and manufacture	into free	ely opened with a lancet, and the mat-			el sowing. The	fitting them for the work.	ens. The nest box arrangement in his h
rn (green) 1.1. In corn meai it is 8.4;	pursuits and pastimes in all parts of the	nati, the comparative value of the different for "	'purificatio	on" and manufactur	into free	ely opened with a lancet, and the mat-	above was made ne	achine meas	ure which would hels strike meas-	fitting them for the work. The State school teachers' association is taking some action in the matter and at its	ens. The nest box arrangement in his harry is admirable.
orn (green) 1.1. In corn mean it is 8.4; its, 9.0, and in cotton-seed meal 38.7.	pursuits and pastimes in all parts of the	nati, the comparative value of the different kinds of wheat for flouring purposes was considered. It was found difficult to de-	purification flour; no animoth, w	on" and manufacture ext the Rio Grande. with a large and heav	china ter	ely opened with a lancet, and the mat-	above was make new tree. The bar	achine meas early 100 bus riev first can	ure which would hels strike meas- ne from Washing-	fitting them for the work. The State school teachers' association is taking some action in the matter and at its last session a committee was raised to re-	ens. The nest box arrangement in his harry is admirable.
orn (green) 1.1. In corn mean it is 8.4; its, 9.0, and in cotton-seed meal 38.7. Three pounds of cotton-seed meal (cost	pursuits and pastimes in all parts of the country and the world. It has grown bet- ter, more earnest with its years, and we	nati, the comparative value of the different kinds of wheat for flouring purposes was considered. It was found difficult to de-	purification flour; no animoth, w	on" and manufacture ext the Rio Grande. with a large and heav	china ter	ely opened with a lancet, and the mat- evacuated; the resulting wounds may dressed with an ointment of one part of	above was make neure. The batton, D. C.,	achine meas early 100 bus riey first can through the	ure which would hels strike meas- ne from Washing- grange, Mr. D.	fitting them for the work. The State school teachers' association is taking some action in the matter and at its last session a committee was raised to report a plan for the modification of our com-	ens. The nest box arrangement in his benery is admirable. The white Yorkshire swine are preference that a fine boar. Suffolk are also satistory; has fine opportunity to enlarge
orn (green) 1.1. In corn mean it is 8.4; ats, 9.0, and in cotton-seed meal 38.7. Three pounds of cotton-seed meal (cost t retail 4½ cents.) and twenty-four pounds	pursuits and pastimes in all parts of the country and the world. It has grown bet- ter, more earnest with its years, and we gladly welcome it to our exchange table.	nati, the comparative value of the different kinds of wheat for flouring purposes was considered. It was found difficult to decide which should be declared best, on account of the modifying influences of cli-	purification t flour; no ammoth, we dapted to go rank gro	on" and manufacture ext the Rio Grande. with a large and heave growth in weak land the action of the state of	china ter be de third, makes	ely opened with a lancet, and the mat- evacuated; the resulting wounds may dressed with an ointment of one part of nice turpentine and two parts of hog's	above was make neure. The batton, D. C., received one	achine meas early 100 bus riey first can through the quart: this	ure which would hels strike meas- ne from Washing- grange, Mr. D. is the third year's	fitting them for the work. The State school teachers' as ociation is taking some action in the matter and at its last session a committee was raised to report a plan for the modification of our common school course which shall include the	ens. The nest box arrangement in his received admirable. The white Yorkshire swine are prefer Has a fine boar. Suffolk are also satistory; has fine opportunity to enlarge swine operations and we think will fin
to (green) 1.1. In corn mean it is 8.4; ts, 9.0, and in cotton-seed meal 38.7. Three pounds of cotton-seed meal (cost retail 4½ cents,) and twenty-four pounds good straw (cost at 28.00 cm; top. 9.3.5	pursuits and pastimes in all parts of the country and the world. It has grown bet- ter, more earnest with its years, and we gladly welcome it to our exchange table. It is published at 37 Park Row, New York	nati, the comparative value of the different kinds of wheat for flouring purposes was considered. It was found difficult to decide which should be declared best, on account of the modifying influences of clithe Countries.	purification t flour; no ammoth, we dapted to go anada Clul	on" and manufacture ext the Rio Grande. with a large and heavy growth in weak lam of straw; and b. a soft wheat which	china ter be de ver third, makes	ely opened with a lancet, and the mat- evacuated; the resulting wounds may dressed with an ointment of one part of nice turpentine and two parts of hog's d.	above was make neure. The balton, D. C., received one	achine meas early 100 bus rley first can through the quart; this	ure which would hels strike meas- ne from Washing- grange, Mr. D. is the third year, the straw being	fitting them for the work. The State school teachers' association is taking some action in the matter and at its last session a committee was raised to report a plan for the modification of our common school course which shall include the natural sciences. In due time this will be	ens. The nest box arrangement in his benery is admirable. The white Yorkshire swine are prefer Has a fine boar. Suffolk are also satistory; has fine opportunity to enlarge swine operations and we think will fin
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The State school teachers' association is taking some action in the matter and at its last session a committee was raised to report a plan for the modification of our common school course which shall include the natural sciences. In due time this will be given to the public. The speaker then presented a plan of his own for a course of study which would systematize the work save time, and leave room for the natural sciences. Arithmetic he claimed was receiving more time than necessary and might well give way to studies allied to agriculture. Following the lecture a general discussion of the matters of our schools as now found came up which was participated in by several prominent educators present. Mr. Owen, Principal of Monmouth Academy, commended the sentiment of the lecture and said that a change in our course of study was called for and in that change those sciences especially relating to agriculture should receive a place. We need more of application with our study. Mr. Barnes of Houlton, for many years connected with educational matters, was glad to know that our educators were grappling with the hard problems connected with our schools. The education of the young is a serious thing. The time devoted to 'education is precious time and it must not be wasted, for if lost it is never to return. The school district is a remaining relic of other days and it is quite time they were abolished. Only after this necessary step is taken, can we hope to introduce the other needed changes referred to by the decenter. Mr. A. G. Smith, Supervisor of Monmouth schools could see a great deal that ought to be done, but there is no unity of work in this direction. First plans must be agreed upon and then all unite their efforts for the common good. Mr. Kilbreth, J. H. Moore of Winthrop, J. G. Gott of Monmouth, H. G. Smith of the same town, all urged strongly the abolition of the district system as a necessary	ens. The nest box arrangement in his tenery is admirable. The white Yorkshire swine are prefering a fine boar. Suffolk are also satistory; has fine opportunity to enlarge swine operations and we think will fin advantageous to do so. It is under contract to the supply power for various farm under the supply power for various farm under the thing could be cheaply and profits done we feel confident. The Narrow Galkail Road from Farmington to Gardine expected to cross his farm or near it much interest is excited in the community the proposed improvement. We hope it is be built at an early day. The enterprimanufacturing villages of Fayette, New Yayne, Winthrop and many more situation with the supplied of the state of the new would be greatly accommodated. A visit to Hereford Home Stock F. can be but one of interest and pleasurall interested in the breed, in the Agriture of the State or in stock improvem A solid, commodious set of farm building a superior stock of cattle, a well conducting for the State or in stock improvem A solid, commodious set of farm building a superior stock of cattle, a well conducting farm, and a plain, practical farmer breeder at the head will be seen, and but not least a help the every way wor and a pleasant, happy household. The Hereford is steadily growing in for, not only in Maine but especially in west. They are becoming more and in appreciated and called for. Their gualities compel admiration and make for them everywhere. J. W. Land. We are having a very dry with here, our mills are shut down for war water; although there were good crop wheat here last season, the farmers can get any ground. Hay is selling very lon account of so much of it being bout up to press and send away. There is a cattle being fattened than usual; there upwards of seventy head sent away. England on New Years day, (they taken from fine stables and plenty which makes beef duite a good price

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Among the Maine Stock Breeders .-- X. Hereford Home Farm. Gilbert Underwood, Proprietor, Favette.

SCULTURAL SOCIETY.

We Proteined for the Treatment of the society Cold. If, 8. Output, charring the membrate of the summary pole on Bird of persons years.

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Augusta, January 27, 1881. TERMS OF THE MAINE FARMER.

ArrAll payments made by subscribers will be credited on the yellow slips attached to their papers. The printed date in connection with the subscriber's name will show the time to which he has paid, and

o comply with his request.
Postage Free to all Subscribers.

Mr. C. S. AYER, Agent for the FARMER, will call Mr. A. H. TABER will call upon our subscrit

Maine Board of Agriculture.

House, on Wednesday the 19th. The folseoggin, C. H. Cobb, East Poland; Aroos took, J. D. Gove, Linneus: Cumberland John Marshall Brown, Portland; Franklin, T. B. Hunter, Strong; Hancock, vacancy there being no organized county Agricultural Society : Kennehec Wm. H. Pearson

of the Legislature and others. The first exercise was a paper by Secretary Gilbert, on "Silos and Eusilage" which occupied an hour in its delivery and was listened to with marked attention. Mr. Gilbert began by saying that stock forage is the foundation of run out grass lands; Mr. Lermond by saying that stock forage is the foundation of run out grass lands; Mr. Lermond of Knox, said that butter dairying, fruit seas in the business in which they are engaged is measured to a greater degree, than with any other class of products, by the amount of stock forage of different kinds which they are able to grow upon their farms; and their profits and their profits and their losses are usually measured by the abund-losses and sheep husbandry, were what the bettom has dropple of his county are now specially in the farm in the people of his county are now specially in the farm in the people of his county are now specially in the farmers of the new year, from the firm in the people of his county are now specially in the farmers of the farmers of the farmers of the new year, from the firm in the people of his county are now specially in the ferested in. Mr. Hunter said the farmers of the farmers of the farmers of the Reports of the Trustees and heelivence of the Reports of the Trustees and the Pherson, a statistician of the nuclear of the Reports of the Resident Officers of the State College of Agriculture and the Mechanic Arts for the work is a guaranty that its statements are absolutely accurate. The work is a min of information which is put in the whose employ he is.

THE TRIBUNE ALMANAC for 1881. This with adventance of the farmer of the farm in the firm great majority of our farmers, their success in the business in which they are dismers the business in which they are dismers the success than with any other class of products, where subjects of inquiry in his section, gazed is measured to a greater degree, than with any other class of products, where formerly egazed in the business in which they are able to grow used that the year has been than with any other class of products, where formerly egazed in their strains; and their profits and their profits and consess are usually measured by the amount of stock forage of different things which they are able to grow usually measured by the measure of success that usually attends such effort. Some or the failure of this class of products.

The work is a mine of information which is put in the debt of the society on the building and compact form, and it is necessarily incurred. The work is a mine of information which is put in the debt of the society on the building and organ, as it now stands, is \$200,000.

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The control of the property of the control of the c

upon the cow, and yet their knowledge of the value of milk was limited, and it is only as we reach the most advanced enlightenment that we find full use made of milk and its products. We have been able to give a meager abstract of this paper whose object was to show that the intelligent use of milk in the domestic economy, as we reach the most advanced were the work of repairing the dam. It will be remembered that last winters alreg amount of the paper with our civilization, and that milk and its various products were neans with its surprising developments, our railway system which has made transportation possible, our seamphine at or of the olds work in the domestic economy. The paper will be the new census with its surprising developments, our railway system which has made transportation possible, our seamphine at or of the old world, and we see that all of our seapports and the hungry millions of the old world, and we see that all of our seapports and the hungry millions of the old world, and we see that all of our seapports and the hungry millions of the old world, and we see that all of our seapports and the hungry millions of the old world, and we see that all of our seapports and the hungry millions of the old world, and we see that all of our seapports and the hungry millions of the old world, and we see that all of our seapports and the hungry millions of the old world, and we see that all of our seapports and the hungry millions of the old world are the milkmen and milk consumers. The dairy products of the United States have twice the value of the dam and the pitch will be make two or of the olds world will be entire length. This decreases the under the products of the control and the pitch while be stated in the control out over the whole of the dam and the pitch will be made that the provides the new control of the old world will be milkmen and milk consumers. The dairy products of the United States have twice the value of the dam. A large crew of men are already states and the pitch of the control Thursday morning the Board met at a colocid, President Gowell in the chair. Mr. Stetson of Lincoin, presented the following peramble and resolution: "Whereas it the opinion of this Board, gross fraudial have been and still are practiced upon the line opinion of this Board, gross fraudial break by the board of the state of the commercial fer filliers of the commercial fer filliers of the commercial fer filliers of the contestly and elements; to contestly and expectably in the House of the public of ferred free alicilar contestly and the result be given to the public of ferred free alicilar for the

T. B. Hunter. Strong; Hancock, vacanasy computed county Agricultural Society; Kennachee, Wa. H. Pearson, tural Society, and the society of the Soci

Items of Maine News.

died last week at the age of 90 years. He was a pensioner of the war of 1812.

The railroad machine shop at South Paris was burned at midnight Thursday, with all the machinery and tools. Loss \$2000; insured. Cause anknown.

The books for the new stock of the Bangor and Bar Harbor steamboat line have been opened and nearly half of it was taken the first day.

Last week the roof of Johnson & Phair's In the House, bills were presented and referred relating to mortgages of real estate and actions thereon; relating to the appointment of administrators with will annexed; for the promotion of medical science, providing subjects for desection; to authorize the Governor and Council to investigate cases of supposed murder.

Last week the roof of Johnson & Phair's regular customers.

The Guadalaquiver river has risen twentiation of a condition of the didictor account in the Mediterranean.

Out of every 100 inhabitants in the United States 16 live in cities.

An Indiana farmer last week deposited in a bank \$2000 that he had kept buried in the earth for seventeen/years.

Methods to regular customers.

The Guadalaquiver river has risen twentiation of the Mediterranean.

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Methods the control of the Guadalaquiver river has risen twentiation of the second of the control o

investigate cases of supposed murder. Petitions were presented for a railroad charter from New Portland to Gardiner; to lease the Bridgeton and Presumpsic cords of bark weighing 9600 lbs.

town again.

Wm. Sherman of Eastport, has taken the contract for a large building, to be restaurant-keeper in Fulton street The derson will have charge of this factory.

York. A man sold two, which he cleaned and dressed, to an unsuspend the contract for a large building, to be restaurant-keeper in Fulton street The for rabbits and received 25 cents for them.

grossed—To amend chapter 17, Public Laws of 1877, so as to allow guardians to make oath to their services of accounts before a justice of the peace; an act to authorize the County Commissioners of Washington to reassess certain taxes; an act to authorize the County Commissioners of Somerset to reassess taxes; an act to incorporate the Auburn Steam Heating Company; a petition was presented of citizens of Ward 7 of Rockland, for the incorporation of that ward into a separate.

derson will have charge of this factory.

Edwards, the horse thief, who attempted suicide by starvation in Houlton jail, is green, mail and baggage cars were precipitated down a mountain seventy feet, and all the passengers killed.

An earthquake lasting about ten seconds was felt throughout the region of Bath, at 9.45 Friday evening. There was at first a colder.

Six thousand eight hundred and two persons in Holland have signed Prof. Hastoscillations felt.

A son of H. K. Robinson of Brewer,

claims due our citizens to the attention of On Monday Mr. I. V. Miller of Belfast,

that body.

In Senate on Wednesday a bill was reported to incorporate the Eclectic Medical College of Maine; bill reported to prohibit winter fishing in Rangeley Lakes. Resolve reported skins. With the exception of the bear the majority of these animals were killed in Samuel came to his assistance and he, too, was shot dead. No arrests have been was shot dead. No arrests have been was shot dead. No arrests have been was shot dead.

afshing in Rangeley Lakes. Resolve reported to the Insane Hospital. Committee on apportionment announced as follows: On Senators and Representatives: Berry of Kennebec, Brewer of Cumberland, Dingley of Androscoggin, Dudley of Aroostook, Mortal and of Knox, Pattangall of Washington, and the divorce laws; for law regulating the sale of vinegar; remonstrances of the people of Rockland against the division of said town; remonstrances against the passage of of any law prohibiting or restricting the garden of the same of the same of the same of the same of the potted—to enable the creditors of A. & W. Sprague Manufacturing Co. to obtain possesses of mortgaged property; an act to amend an act approved Feb. 19, 1878, relating to mortgages of property. Petition

Samuel came to his assistance and he, too, was shot dead. No arrests have been made. The Malocounty. The Bath Times says the town of Topham has just lost two most valued citibent was shot dead. No arrests have been made.

The Chicago Bricklayers' Union, numbering about 3000 men, has deeded to advance the wages fifty cents per day, and make the day's work consist of mine hours. The United States navy one of the Sagndahoc county.

Hon. Samuel E. Smith died at Wiscasset, Friday, after a long illness, at the age of 7 years. He was the oldest son of Exc Gov. Smith, a graduate of Harvard College, class of 1854, a lawyer of prominence in the divorce laws; for law regulating the sale of vinegar; remonstrances of the people of Rockland against the division of said to win; remonstrances against the passage of of mackerel by seine. Bills reported—to enable the creditors of A. & W. Sprague Manufacturing Co. to obtain possession of mortgaged property; an act to amend an act approved Feb. 19, 1878, relating to mortgages of property. Petition the same provided the series of the possess

Items of General News.

Greece is negotiating for war vessels.

Brazil has subsidized a line of steamers, which are to run between that country and

We get some idea of Dr. Glenn's wheat ranch in California, when we reflect that he saves 60,000 sacks of wheat for seed. During the year 1880 the mines collected

Among the relics in the collections of the Maine Historical Society, in Portland, is the bell used in the chapel of Father Raile, the French missionary among the Indians at Norridgewock.

Last week the roce of the control of the control of the roce of the control of the According to a Chicago doctor the con-sumption of opium in that city is alarm-ing. He says that 50 druggists have 235

McHugh's card-board factory on Ann

railroad when completed; a large number of petitions for a change in the divorce laws, and for a charter for a narrow guage railroad from Skowhegan to Athens. An order of inquiry was offered that the law be changed abolishing the death penalty

town. A resolve was presented instructing the delegates in Congress to bring the matter of Freuch spoilations and the claims due our citizens to the attention of At Carlisle, Ky., a body of masked men

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Ey s \$1 90@2 00.

BUTTER—Good butter sells for 23@28c.
CHESSE—New Factory made 10@13c.
COTTON SEED MEAL—\$1 50@1 50 pe

MEDIESDAY, January 26.

APPLES—1 50@2 00 per bbl; dried 6@8c.
BEANS—Yellow Eyes \$1 85@2 00 per lash; Pea \$2 00@2 10.

BUTTER—25@28c per lb.

BARLET—50@65c per bush.

E@62—26@26c per dos.

GRAIN—Oats 42@50c per bush; corn 70@

RECEIPTS AT NEW YORK, AND JERSEY

es Sixes, 1881, (reg.)
""" (coup.)
"" New 5's, (reg.)
""" (coup.)

Trigot on Sign pier the dressed weight. Sign of the control of the

HAVE WISTAR'S BALSAM OF WILD CHERRY always at hand. It cures Coughs, Coids, Bronchitis, Whooping Cough, Croup, Influenza, Consumption, and all Throat and Lung Complaints.

Croup, Innuenza, Consumption, and all Throat and Lung Complaints. 50 cents and and \$1 a bottle. 1y42

C. T. FAY, Holyoke, Mass., says: Almost all of the children's shoes we sell have the A. S. T. Co. Tip op them; in fact, we could not sell them without. It has become a necessity to have them.

No health with inactive liver and urinary rgans without Hop Bitters.

Special Motices.

CHEESE—New Factory made 10@13c.
COTTON SEED MEAL—\$1 50@1 00 per hundred.
E303—34@260 per dozen.
FLOUD—70 0@100 per bil.
GRAIN—COTT 70@712c; oats 50@55c.
GRAIN—COTT 70@712c; oats 50@55c.
GRAIN—COTT 70@712c; oats 50.00 per bil.
HAY—\$14 00.00 per bil.
HAY—\$15 00.00 per bil.
HAY—





ple, prompt, efficient and reliable, they redictines adapted to popular use. Frincipal Nos. Cures. Freers, congestios, inflammations, Worms, worm fever, worm colle, Crying colic, or teething of infants, Diarrhose of children or adults, Dysentery, griping, billious colic, Cholera morbus. vomiting, Coughs, cold, bronchting, Neuralgia, toothsche, faceaches, vertigo, Dyspepsta, sick headaches, vertigo, Dyspepsta, billious stomach, Supressed or painful periods, Whites, too profuse periods, Whites, too profuse periods, Croup, cough, difficult breathing, Sait rheum, crysipelas, cruptions, Rhematism, rheumatic pains, Fever and ague, chill, fover, agues, Pites, bild or biceeding; influenza, Whooping cough, violent coughs, General debility, physical weakness, Kidney disease,

THE



\$1000.00 IN GASH is deposited in saw machine in America. This is the cheapest machine made, and warranted to saw logs easier and faster than any other. We are the oldest saw machine from in America. Any prominent merican in America.

Our WELL AUGERS will bore well 78 feet deep and 2 feet in diameter in a day. This would clear you \$50 in a day. Send for our Piotorial Catalogue. U. S. MANFG CO., Chicago, Ili

FARMS 1,000,000 OFTHE AND ACRES

HIGGINS' EUREKA DAIRY SALT At Wholesale and Retail

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BOWKER'S HILLAND DRILL PHOSPHATE

OWKER FERTILIZER CO BOSTON & NEW YORK **NEW MUSIC BOOKS** RHYMES (1.50.) By Margaret Pear main Osgood, Translations

collection, containing inliables, nursery songs, kindergarten songs, and everything of the kind that musical mothers, sisters AND and all the children so dearly love, com AND plate from the best American and foreign sources, and, in many cases, having both foreign and English words. The songs have simple accompaniments. Rhymes and Tunes have aiready received most TUNES. the a universal favorite. Now Subscribe for the Musical Record Try \$1.00 for 6 Months.

Emerson's Quartettes and Choruses FOR MALE VOICES. (60 cts. or \$6 per dozen.). A capital collection of pieces, just made, and well fitted by their moderate compass and easy arrangment, as well as by their solid merit and great variety, for clubs and quartetts that are now so rapidly increasing. The book is compact and may easily be carried in the pocket.

Album of Songs. (\$2.00) By Robe

IN PRESS.—A new Sunday-school song book. OLIVER DITSON & CO., Boston. THE SAFE PLACE STILL

TO BUY OR SEND FOR **Pure and Genuine**

MEDICINES DRUGGISTS' GOODS AT LOWEST PRICES.

Is at the old and reliable Drug Stand, Partridge's Drug Store,

UNDER GRANITE HALL, Augusta BEST EYE GLASSES and SPECTACLES accurately fitted to the eyes by use of optometer when necessary, at half the price usually charged. We do not advertise or pretend to soil staple goods at 50 per cost less than our neighbors, though our prices are always the lowest, and customers frequently tell us that we save them one hundred per cent on prescriptions and small articles, the prices of which are not so generally known to the public. We are bound by square dealing to keep up and increase our large business.

PARTRIDGE BROS. FOR THIRTY DAYS Fowler, Hamlen & Smith

n order to reduce stock, preparatory to their annu-il "stock taking," have MARKED, DOWN a portion of their goods to VERY LOW FIGURES. 2000 Yds. of Dress Goods CONSISTING OF Novelties, Lyons, Poplins, Colored Thibets, Empress Cloths, Mo-

hairs, Plaids. Etc. Etc., At About HALF PRICE! Brussels, Tapestry & Wool Carpets. **Greatly Reduced Prices for** CLOAKS, DOLMANS, ULSTERS, and MISSES' GARMENTS. A LOT OF

BLACK CLOAKINGS Marked down to \$1.00 per Yard, and some finer malities in proportion. FOWLER, HAMLEN & SMITH,

Boys & Girls If you want to fit yourselves for practical posi-tions in the world—to spend your time in ac-quiring only those things which will be of use to you in after life, take a course at Dirigo Business College

TELEGRAPH INSTITUTE! It is the most popular and practical school of the class in New England, and has the hearty enderse-ment of every business man who knows it. Don't fail to send for a circular. Can enter at any time, out now is the best time in the year. R. B. CAPEN, PRINCIPAL, Augusta, Me.

New Photograph Rooms Over American Ex. Office. E. W. MOORE

Will open in a few days, in connection with his Crayon Portrait business, the rooms formerly occupied by Kimball and Hendee, where he will be prepared to make all kinds of pictures in the Photo and Crayon line. Mr. M. has just returned from Boston with the best instruments and materials in the market, and will be prepared to do the nicest work. HOTEL NORTH, Water St., Augusta, Me.,

This new and commodious Hotel has been the oughly and elegantly furnished, and is now open the traveiling public. Col. W. S. Baker, the Propietor, is recently from the celebrated Phenix Hose Concord, and the Ocean Wave House, Rye Been N. H. He is also well known in Maine, having for merly been connected with the Bangor House, at the United States Hotel, Portland. Prices reason bie.

J. W. HARRIS & CO., **Produce Commission Merchants**

A Text Book on the subject of Meal Feeding and nimal Direction. A pamphlet of 84 pages, by the te Linus W. Miller, in which is described the pro-

MEAL FEEDING.

Knitting Machine ever invented. Will knit a pair of slockings, with HEEL and TOE Complete, in 20 minutes. It will also knit a great variety of fancy work for which there is always a ready market. Send for circular and terms to the Twombly Knitting Machine Co., 400 Washington 84. Boston, Mass.

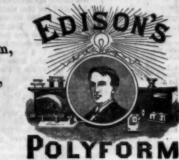
FIVE-TON SCALES VERY LOW! State Normal School,

40 Lovely Chrome Carda, new designs justi out Com. Star Fainting Co. Northford, Com.

AGENTS WANTED to sell Dr. Chase's 2,000 double your money. Address Dr. CHASE'S PRINTING HOURE, Ann Arbor. Mich.

CURES Rheumatism. Neuralgia, Sciatica.

Gout.



CURES Headache,

Toothache, and

All Pains. For External Use Only.

Maine Central Railroad

CHANGE OF TIME.

On and after Sunday, Dec. 19, 1880, trains will leave Augusts:
For Portland at 6.60 A. M., 9.57 A. M. 1.55 and 10.50 P. M.
For Bosten, 6.60, 9.57 A. M., and 16.50 P. M.
For Bosten, 6.60 A. M. and 9.57 A. M.
For Bath, 6.00 A. M. 2 57 A. M. and 1.58 P. M.
For Bath, 6.00 A. M. 2 57 A. M., 1.55, 10.50 P. M.
For Lewisson, 6.00, 6.57 A. M., and 3.54 P. M.
For Lewisson, 6.00, 6.57 A. M., and 3.54 P. M.
For Beltisst, Dexter, Skowhegan and Bangor, 2.54
P. M. and 3.35 A. M.
Might Pullman Trains each way every night Sundays included.

GARDINER ACCOMMODATION TRAIN

GARDINER TO AUGUSTA

FREIGHT TRAINS.

For Boston, Portland and way, For Skowhegan, Bangor and way, Due from Boston, Portland and way, Due from Bangor, Skowhegan and way, PAYSON TUCKER, Sup't. Portland, December 13, 1880.

AUGUSTA SAVINGS BANK.

TRUSTERS:—Thomas Lambard, Artemas Libber ames W. North, Samuel Titcomb, Wm. S. Bacge

Interest on deposits reckoned from the first day of each month, twice a year, February and August, on all sums of three months standing. Deposits made on or before the tenth day of any month, will bear date the first day of the month.

Interest not draws out is added to the deposit, thus making Compound Interest.

42 Under the existing law of this State, all deposits in savings banks, are exempt from municipal duration.

Sounts are nest by this bears under age can deand confidential.

Married women and persons under age can deposit money in their own names, so that it can be
drawn only by themselves, or en their order.

Especial savantages afforded to Executare Guardians, Trustoes, and others having in charge Trust

WM. E. SMITH, Tressurer.

Funds.

HEEBNER'S

Railway Horse Power

-WITH PATENT-

evel Tread and Speed Regulator

Gives more power at less elevation than any other orac power ever made. The Level Tread makes asy work for the team. No other power runs so say. It is the only railway power on which oxen an work without shoes.

HEEBNER'S

Drag Saw Machine.

For sawing logs of any size into fire-wood. Attached to our Lovel Tread Power, it will saw more wood than can be done by any other machine in use, and with less labor. Send for illustrated catalogues.

40 CLYDESDALE

STALLIONS & MARES

MOSTLY IMPORTED

HEEBNER & SONS, Landedale, Mont. Co., Pa.

8.00 1.00 4.48 8.18 1.1P 5.00 8.35 1.25 5.70

and after Sunday, Dec. 19, 1880, trains will

Price \$1 Per Bottle, Prepared By The Menlo Park Manufacturing Co., New York City.

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STEAM JOB PRINTING OFFICE, And having secured the services of firstclass Job Printers, under the charge of an Experienced Foreman,

hey are now Prepared to Execute with Meatness and Dispatch, Every Variety of

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BRIEFS, ETC., Printed with Care and Accuracy.

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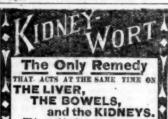
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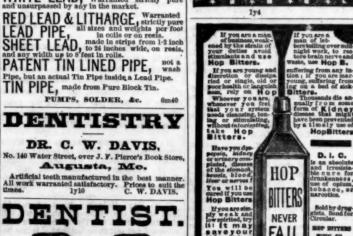
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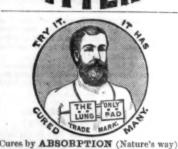
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Accretic teles who will be a valuation of the premium of the premi Accrued interest and renta, Cash in banks, Loans on Collection

\$15,131,940 65 LIABILITIES.

ATTEST: HOWARD OWEN Register.

KENNEBEC COUNTY....In Probate Court, at Augusta, on the second Monday of Jan. 1881.

Z. A. DYER, Administrator on the estate of B. H. Stover, late of Vicina, in said County, deceased, having presented his first account of administration of said estate for allowance:

ORDERED, That Botice thereof he given three weeks successively prior to the second Monday of February next, in the Maine Farmer, a newspaper printed in Augusta, that all persons interested may attend at a Probate Court then to be held at Augusta, and show cause, if any, why the same should not be allowed.

EMERY O. BEAN, Judge.

ATTEST: HOWARD OWEN, Register.

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